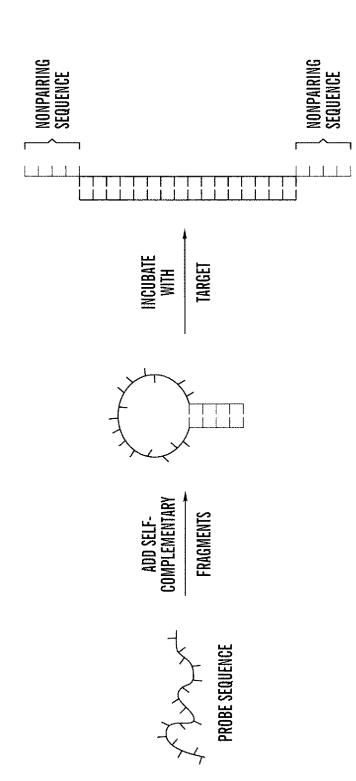
NEW SHEET





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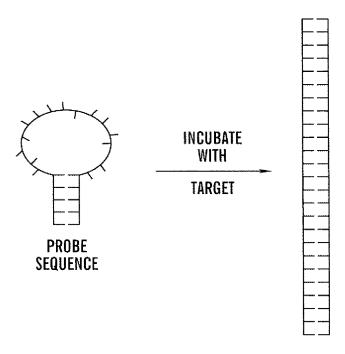
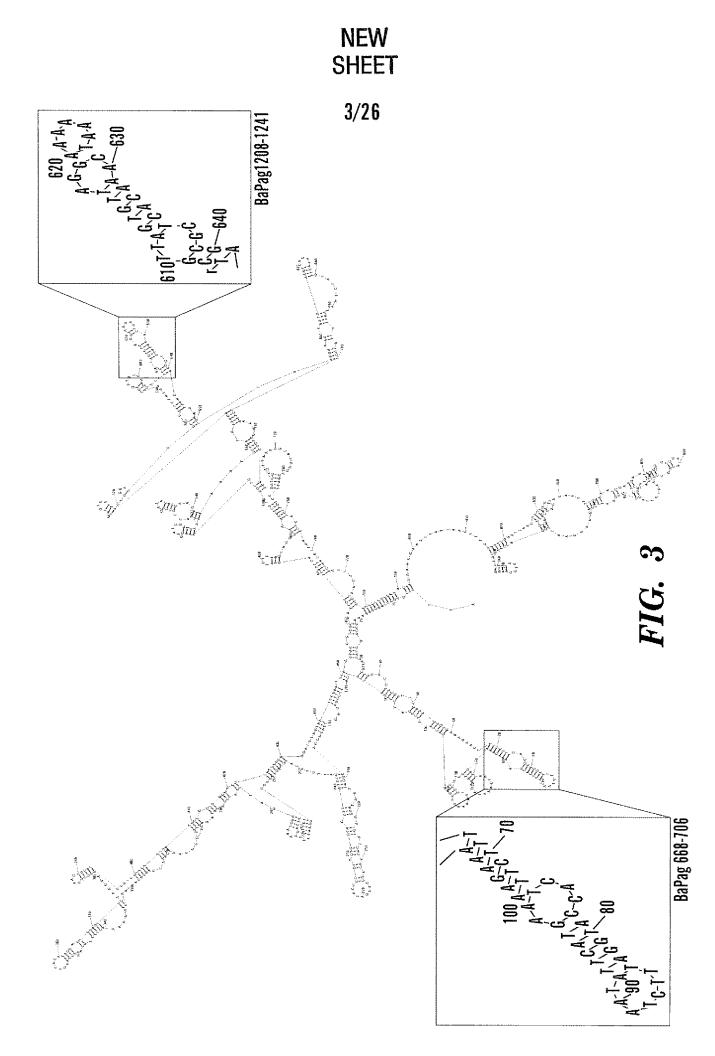
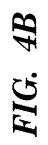
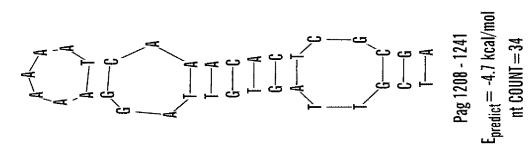


FIG. 2







Pag 668 - 706 E<sub>predict</sub> = -4.4 kcal/mol nt COUNT = 39

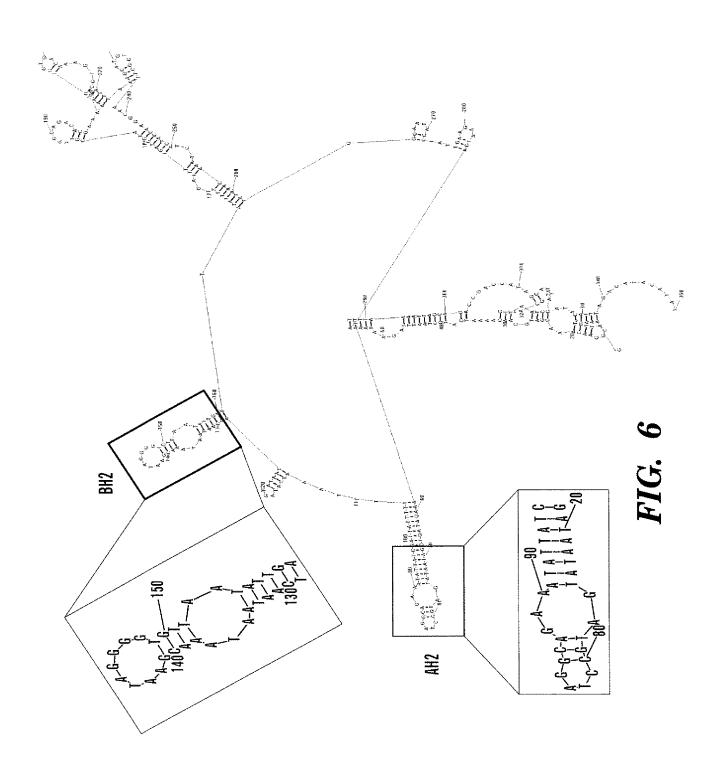
## NEW SHEET

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Sequences producing significant alignments:	Score (bits)	E Value
120520075 gb AE011190.1    Bacillus anthracis   116031494 emb AJ413937.1 BAN413937   Bacillus anthracis   116031492 emb AJ413936.1 BAN413936   Bacillus anthracis   119280532 gb AF268967.1 AF268967   Bacillus anthracis   110880952 gb AF306783.1    Bacillus anthracis   110880944 gb AF306782.1    Bacillus anthracis   110880944 gb AF306782.1    Bacillus anthracis   110880944 gb AF306779.1    Bacillus anthracis   110880944 gb AF306779.1    Bacillus anthracis   110880944 gb AF306778.1    Bacillus anthracis   110983969 gb AC104301.2    Homo sapiens   Clone   RP1   119033969 gb AC104301.2    Homo sapiens   Clone   RP2-5139   119033969 gb AC104301.2    Homo sapiens   Clone   RP2-5139   119033969 gb AC104301.2    Homo sapiens   Chromosome   109033969 gb AC103948.4    Mus   musculus   Chromosome   109033969 emb AL573820.1     Mouse   DNA   Sequence   From   111414543 emb AL355352.16    Homan   DNA   Sequence   From   111414543 emb AL355352.16    Homo sapiens   Genomic   DNA,   14827077 dbj AP000178.1    Homo sapiens   Genomic   DNA,	18	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
3132344   dbj   AP000034.1   Homo sap   4730836   dbj   AP000102.1   Homo sap   13947430   gb   AC003090.1   Homo sapi		

## FIG. 5

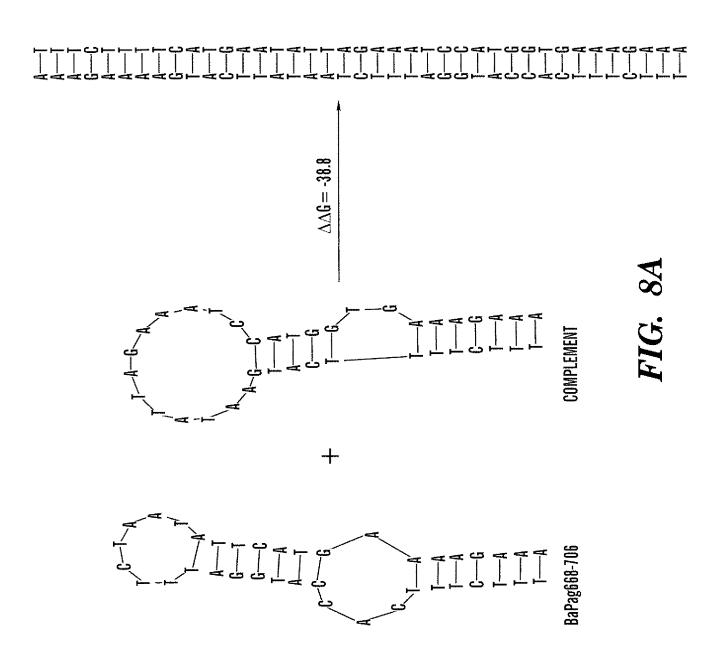
NEW SHEET 6/26

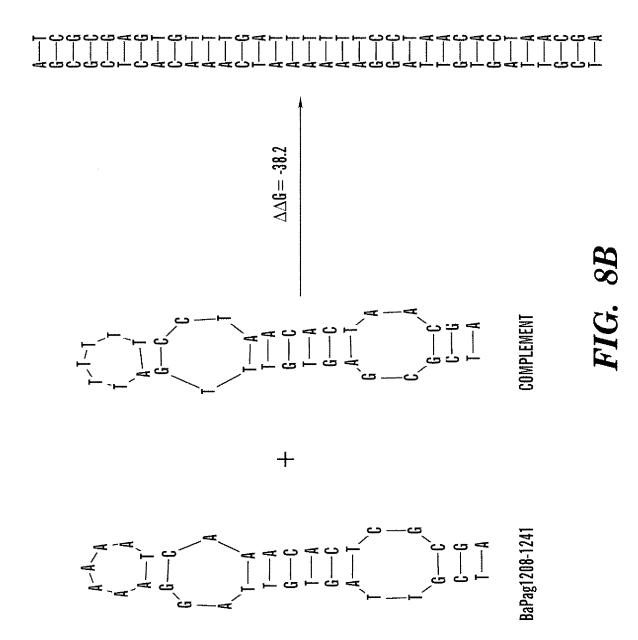


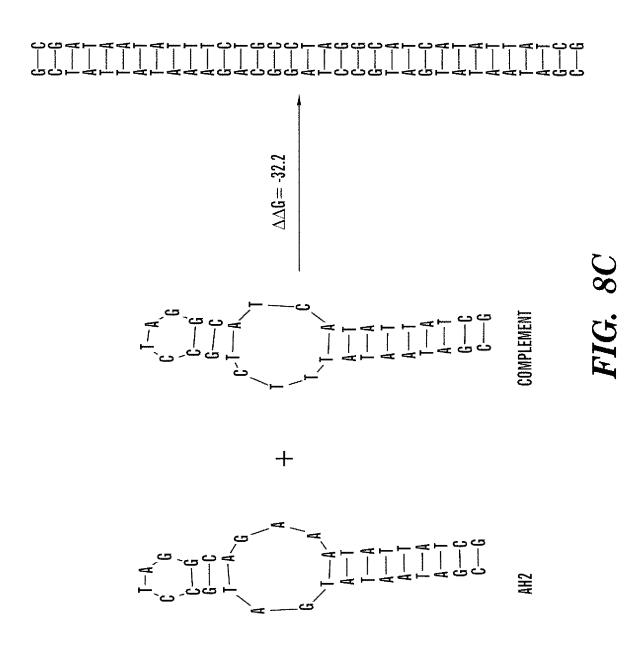


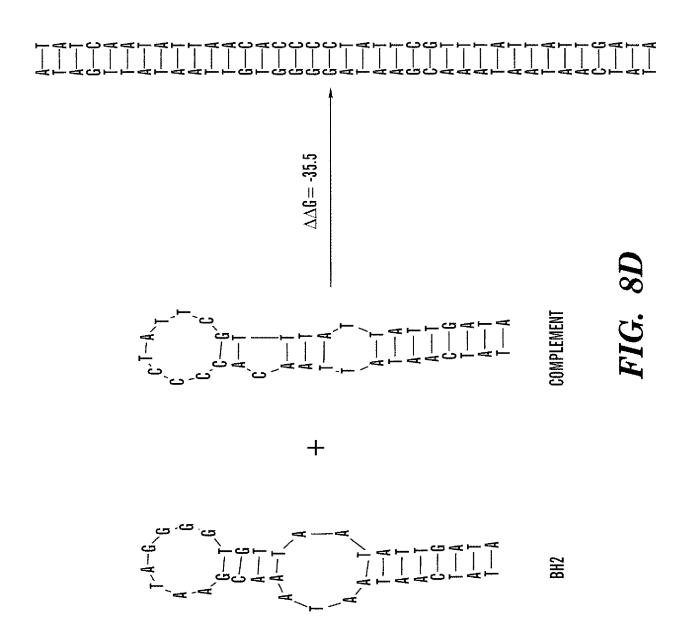
 $(E_{predict} = -3.5 \text{ kcal/mol})$ nt = 37

$$A = 1$$
 $A = 1$ 
 $A = 1$ 
 $C = 0$ 
 $C =$ 









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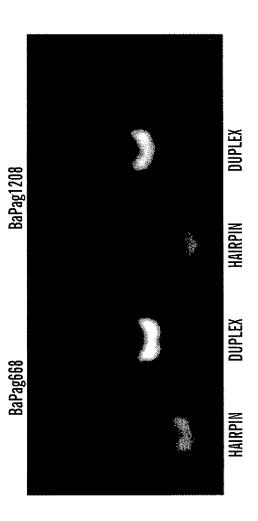
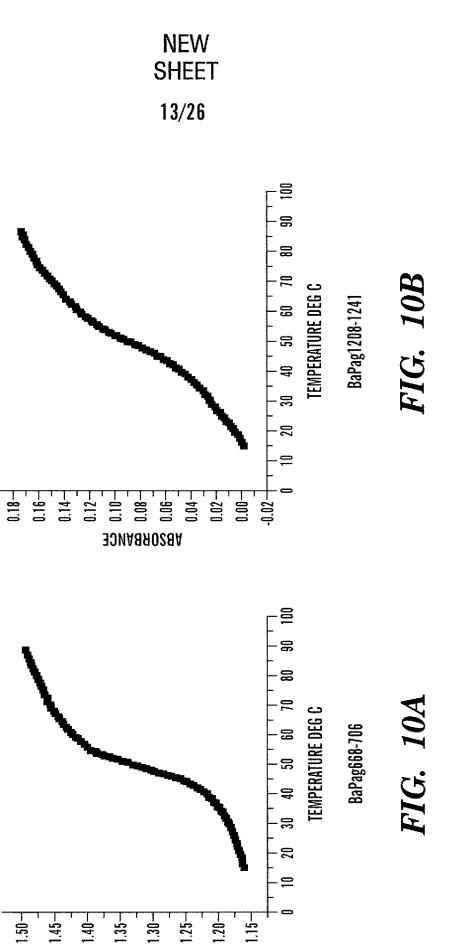


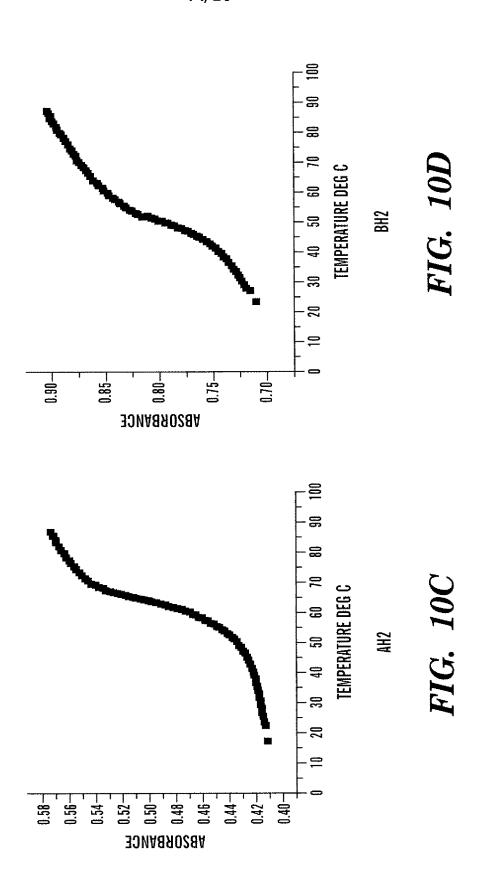
FIG. 9



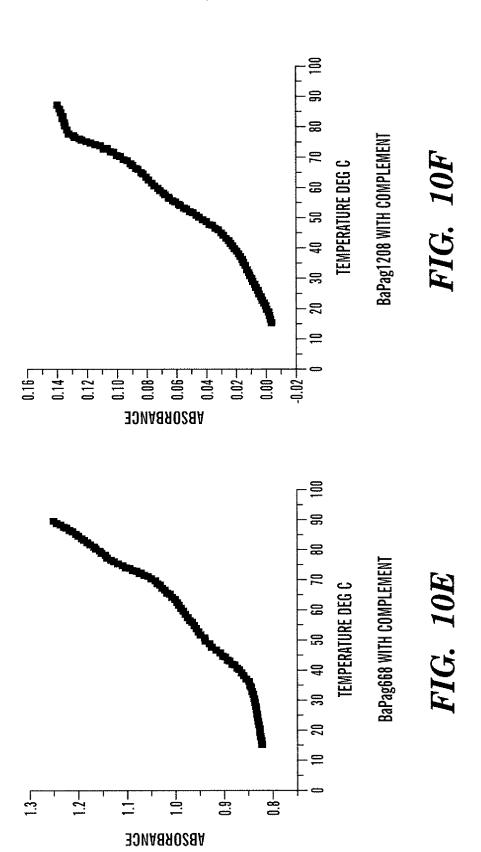
1.50

**ABSORBANCE** 

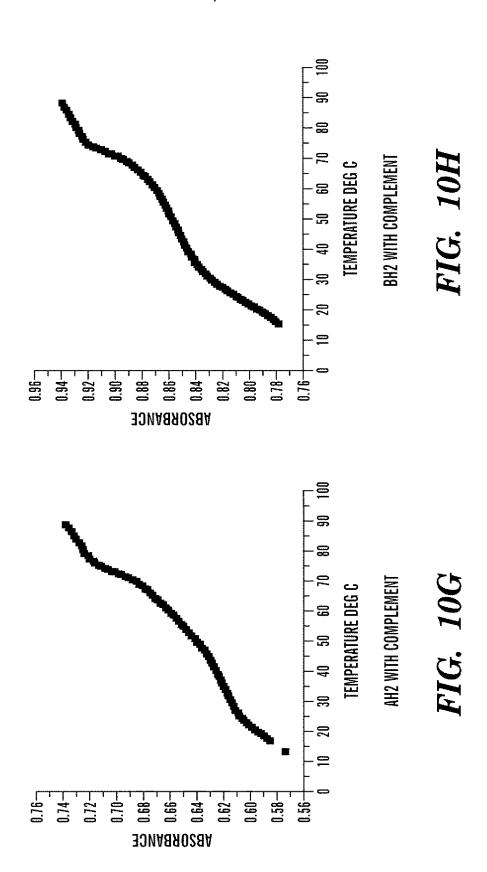
NEW SHEET 14/26



NEW SHEET 15/26



NEW SHEET 16/26



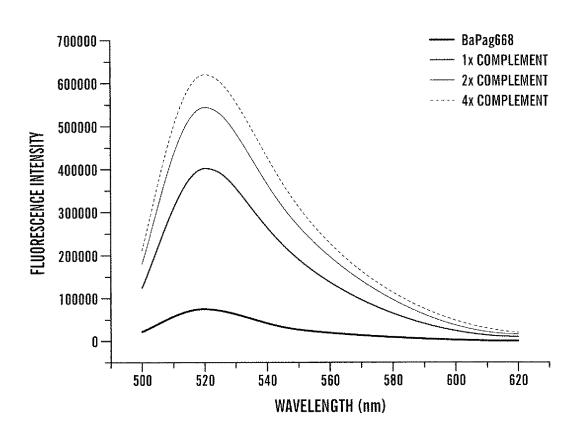


FIG. 11

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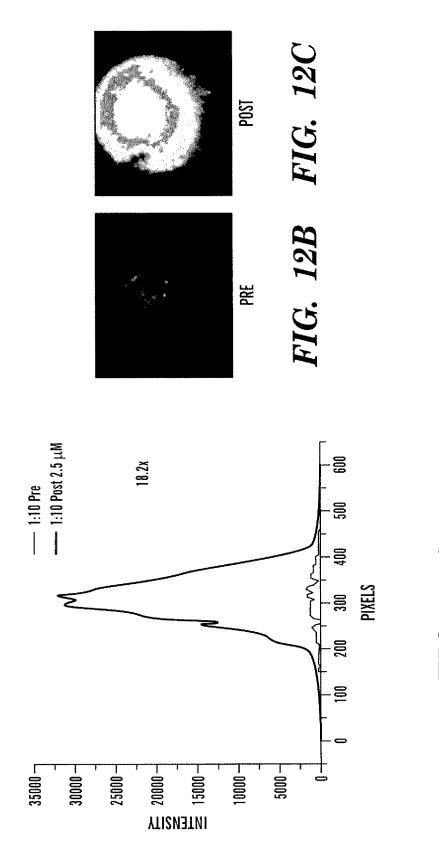


FIG. 12A

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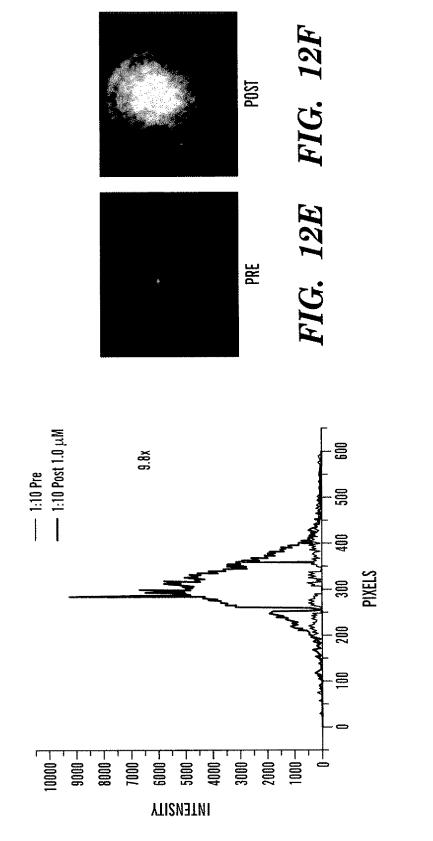
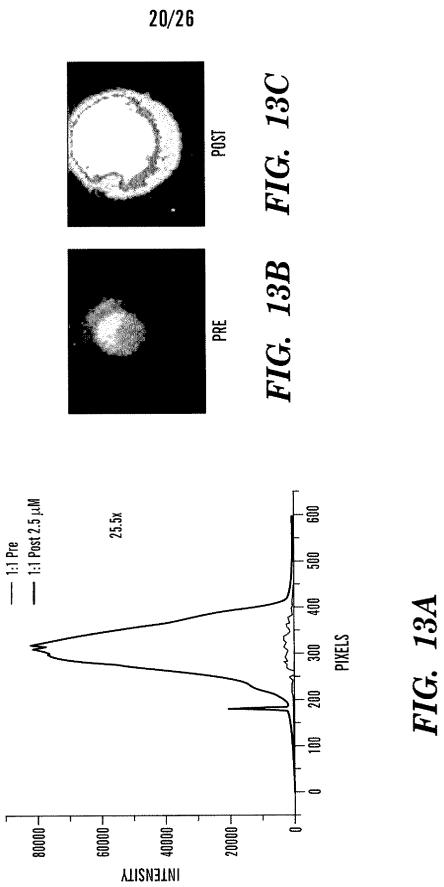
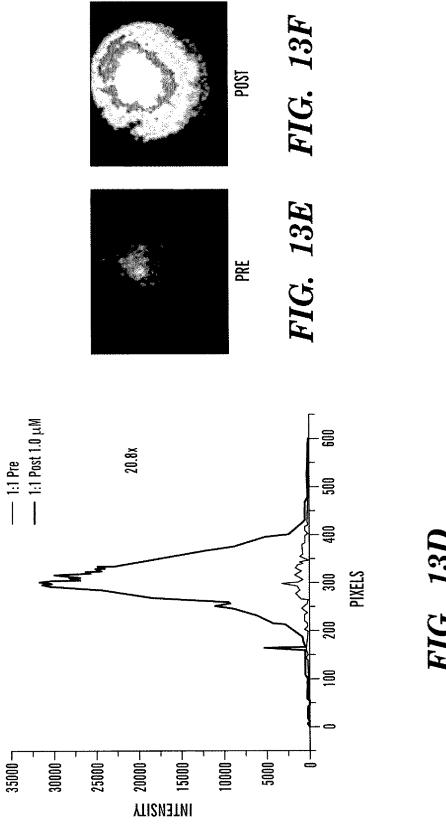


FIG. 12D



NEW SHEET

NEW SHEET 21/26



NEW SHEET 22/26

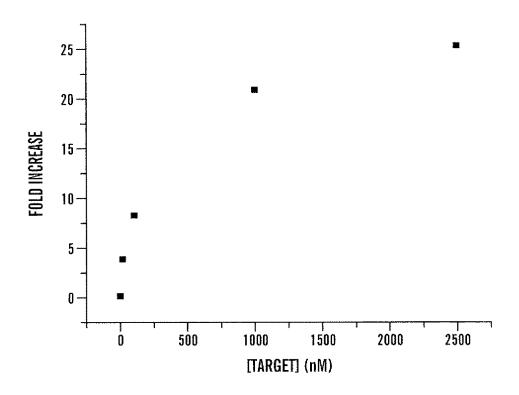
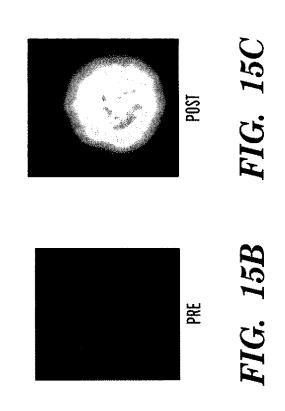
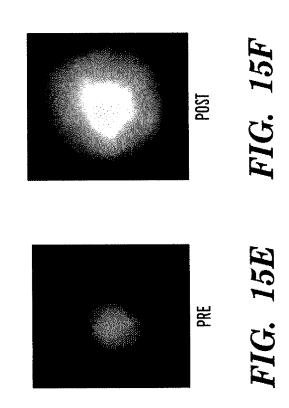


FIG. 14





NEW SHEET 24/26





NEW SHEET

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BaPag673+CGACG	$\Delta G_{ extsf{hp}} = -7.3$	$\Delta G_{ m dup} = -32.5$	$\Delta\Delta G = -25.2$	FIG. 16C
BaPag668+CGACG	$\Delta G_{hp} = -12.9$	$\Delta G_{\mathrm{dup}} = -43.2$	$\Delta\Delta G = -30.3$	FIG. 16B
BaPag668	$\Delta G_{hp} = -4.4$	$\Delta G_{\text{dup}} = -43.2$	$\Delta\Delta G = -38.8$	FIG. 16A

NEW SHEET

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BaPag1213+CGACG	$\Delta G_{hp} = -11.3$	$\Delta G_{\text{dup}} = -33.7$	$\Delta\Delta 6 = -22.4$	FIG. 17C
BaPag1208 + CGACG	$\Delta G_{hp} = -13.2$	$\Delta G_{dup} = -42.8$	$\Delta\Delta G = -29.6$	FIG. 17B
BaPag1208	$\Delta G_{hp} = -4.7$	$\Delta G_{\text{dup}} = -42.6$	$\Delta\Delta G = -38.2$	FIG. 17A